Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	04/08/2022 11:34 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124945	-1	1.27	124848	1.23
Blue	F	SSC	125000	126429	1	2.39	126846	2.19
Blue	E	FITC	13602	13222	-3	2.37	370	13.85
Blue	D	PE	24891	24711	-1	1.84	587	10.54
Blue	B	PerCP-Cy5-5	33972	33175	-3	3.12	951	15.03
Blue	A	PE-Cy7	22865	22551	-2	5.29	475	31.00
Red	C	APC	47198	46411	-2	2.84	1597	11.78
Red	A	APC-Cy7	26454	25694	-3	3.21	740	12.21
Violet	B	V450	6737	6419	-5	3.72	444	11.30
Violet	A	V500	29317	28458	-3	3.37	968	8.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24090	2.61	564	29	N/A	N/A	Pass
Blue	F	SSC	56720	1.95	522	1	N/A	N/A	Pass
Blue	E	FITC	56	53.22	489	5	0.0391	51	Pass
Blue	D	PE	113	39.41	493	7	0.4068	323	Pass
Blue	B	PerCP-Cy5-5	149	41.34	587	8	0.0193	60	Pass
Blue	A	PE-Cy7	79	83.56	631	10	0.0218	11	Pass
Red	C	APC	333	26.61	576	4	0.0267	181	Pass
Red	A	APC-Cy7	139	35.11	554	3	0.0065	1701	Pass
Violet	B	V450	77	46.71	448	-2	0.0653	2724	Pass
Violet	A	V500	115	28.56	469	0	0.0280	642	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.49	-31.41	1.06
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	14.89	13.90 - 20.86	N/A	N/A	29.74	29.91	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9572

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments